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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 1

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| Application Number | 09/698,454 |
| Filing Date | October 27, 2000 |
| First Named Inventor | Miri Seiberg |
| Group Art Unit | 1616 |
| Examiner Name | Marina Lamm |
| Attorney Docket Number | JBP0518 |

FOREIGN PATENT DOCUMENTS

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| | | Office ³ | Number ⁴ | KindCode ⁵ | | | | |
| ML | | EP | 0 341 745 | A1 | FIDIA S.p.A. | 11-15-1989 | | |
| ML | | EP | 0 476 311 | A1 | De Stoutz | 03-25-1992 | English Claims from B1 document | No |

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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|-----------------------|--------------------------|---|----------------|
| ML | | BABIARZ-MAGEE ET AL, "The Expression and Activation of Protease-Activated Receptor-2 Correlate with Skin Color", <i>Pigment Cell Res</i> , Vol. 17 (2004) pp 241-251. | |
| | | HERMANN ET AL, "Unraveling the Patterns of Subclinical Pheomelanin-Enriched Facial Hyperpigmentation: Effect of Depigmenting Agents", <i>Dermatology</i> , Vol. 201 (2000) pp 118-122. | |
| | | LIU ET AL, "Application of Soy in Skin Care", <i>Journal Nutr.</i> , Vol. 132 (2002) pp 574S. | |
| | | PAINE ET AL, "An Alternative Approach to Depigmentation by Soybean Extracts via Inhibition of the PAR-2 Pathway", <i>Journal Investigative Dermatology</i> , Vol. 116 (2001) pp 587-595. | |
| | | SCOTT ET AL, "Protease-Activated Receptor 2, a Receptor Involved in Melanosome Transfer, is Upregulated in Human Skin by Ultraviolet Irradiation", <i>Journal Investigative Dermatology</i> , Vol. 117 (2001) pp 1412-1420. | |
| | | SCOTT ET AL, "Proteinase-Activated Receptor-2 Stimulates Prostaglandin Production in Keratinocytes: Analysis of Prostaglandin Receptors on Human Melanocytes and Effects of PGE2 and PGF2 α on Melanocyte Dendricity", <i>Journal Investigative Dermatology</i> , Vol. 122 (2004) pp 1214-1224. | |
| | | SCOTT ET AL, "The Proteinase-Activated Receptor-2 Mediates Phagocytosis in a Pho- Dependent Manner in Human Keratinocytes", <i>Journal Investigative Dermatology</i> , Vol. 121 (2003) pp 529-541. | |
| | | SEIBERG ET AL, "Inhibition of Melanosome Transfer Results in Skin Lightening", <i>Journal Investigative Dermatology</i> , Vol. 115 (2000) pp 162-167. | |
| | | SEIBERG ET AL, "Soy Extracts Reduce Hair Growth and Hair Follicle Dimensions", <i>Hair Science and Technology</i> , D. Van Neste (editor) (2003) pp 391-400. | |
| | | SEIBERG ET AL, "Soy milk Reduces Hair Growth and Hair Follicle Dimensions", <i>Experimental Dermatology</i> , Vol. 10 (2001) pp 405-423. | |
| | | SEIBERG ET AL, "The Protease-Activated Receptor 2 Regulates Pigmentation via Keratinocyte-Melanocyte Interactions", <i>Experimental Cell Research</i> , Vol. 254 (2000) pp 25-32. | |
| | | SEIBERG ET AL, "The Protease-Activated Receptor-2 Regulates Pigmentation via Melanosome Phagocytosis", <i>Mechanisms of Suntanning</i> , J. P. Ortonne and R. Ballotti (editors) (2002) pp 215-278. | |
| | | SEIBERG ET AL, "The Regulation of Pigmentation by Serine Proteases and Their Inhibitors", Inhibition of Human Proteases: From Target Identification to Therapy, CHI Press (1998) pp 1-3. | |
| | | SEIBERG, "Keratinocyte-Melanocyte Interactions During Melanosome Transfer", <i>Pigment Cell Res.</i> , Vol. 14 (2001) pp 236-242. | |
| | | SHARLOW ET AL, "The Protease-Activated Receptor-2 Upregulates Keratinocyte Phagocytosis", <i>Journal of Cell Science</i> , Vol. 113 (2000) pp 3093-3101. | |
| ML | | WILSON ET AL, "Immunocytochemical Study of the Interaction of Soybean Trypsin Inhibitor with Rat Intestinal Mucosa", <i>Gut</i> , Vol. 19 (1978) pp 260-266. | |

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| Examiner Signature | Date Considered |
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| Examiner Name | Marina Lamm |
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| ML | | WANG ET AL, "Effects of Soybean Trypsin Inhibitor on Digestive Physiology and Growth and Development of Helicoverpa Armigera Larvae", <i>Acta Entomologica Sinica</i> , Vol. 38, No. 3 (August 1995) pp 272-274. | Yes |
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| Examiner Signature | | Date Considered | 6/8/05 |
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| | | Number | Kind Code ² (if known) | | | |
| U | | 4,603,146 | A | Kligman | 07-29-1986 | |
| U | | 4,727,088 | A | Scott et al. | 02-23-1988 | |
| U | | 5,670,547 | A | Milstein et al. | 09-23-1997 | |
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